

TOSHIBA

Satellite® M20 Series

Exceptional performance with integrated Wireless in a Mobile Desktop Replacement PC

Feature Model(s):

Satellite M20-S257

Pentium M 1300/14.1"XGA/256MB/30GB/DVD-CDRW/Mdm/LAN/Wi-Fi/WinXP Pro

Satellite M20-S258

Pentium M 1300/14.1"XGA/256MB/30GB/DVD-CDRW/Mdm/LAN/Wi-Fi/WinXP Home

Part Numbers

PSM20U-00F9Y7

PSM20U-00F9Y3

Satellite M20 Small Business Series

Pentium M 1300/14.1"XGA/256MB/30GB/DVD-CDRW/Mdm/LAN/Wi-Fi/WinXP Pro/MS Office SB

PSM20U-00F9Y7W

Pentium M 1300/14.1"XGA/256MB/30GB/DVD-CDRW/Mdm/LAN/Wi-Fi/WinXP Home/MS Office Pro

PSM20U-00F9Y7X

Product Highlights

Performance

- 1.30GHz system with Intel® Centrino™ mobile technology**
- 256MB of Main Memory (Expandable to 1024MB)

Slim Select Bay design

- 30GB* hard disk drives
- DVD-ROM/CDRW multi-function drive

Great Features

- 14.1" TFT active-matrix screen display
- AccuPoint II pointing device

Get On-Line

- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- Integrated 802.11b Wireless LAN module

System Characteristics

CPU (See CPU Disclaimer)**

- Intel® Pentium® M processor at 1.30GHz**

L2 Cache

- 1MB Level 2 cache memory integrated on die
- 400MHz Processor System Bus Clock Speed

Memory

- 256MB (1 DIMM) expandable to 1024MB (*Both slots may be occupied*)
- Expansion memory: 128MB/256MB/512MB, SODIMM, PC2100 DDR
- **Data/Address Bus Width:** 64bit/32bit
- Intel® 855GM Chipset

Mass Storage

- **Primary Hard Disk Drive:** 30GB* hard disk drives, Enhanced IDE (ATA-5) interface, 4200rpm drive rotation; 9.5mm height, 0.2lbs, Service Removable
- **Slim Select Bay DVD-ROM/CDRW:** Enhanced IDE (ATA-2) Interface; Maximum speed: CD-R(24x), CD-RW(24x), CD-ROM(24x), DVD-ROM(8x), DVD-R(4x), DVD-RW(4x), DVD Multi(4x); Compatibility: CD-ROM, CD-R (read/write), CD-RW (read/re-write), DVD-ROM, DVD-R (read only), DVD-RW (read only), DVD Multi (read only); Hot swappable with software; user removable
- **Optional Selectable Bay Options:** Secondary HDD, DVD-ROM, DVD-ROM/CDRW, DVD Multi, 2nd Battery
- Software Decoder: InterVideo (WinDVD®)

Graphics/Video

- 14.1" TFT active-matrix display; internal display supports up to 16M colors at 1024 x 768
- **Intel® 855GM** integrated graphics controller; External DDR SDRAM shared video memory
- 3D Graphic accelerator; Digital Video Accelerator
- External Color Support/Refresh rate:
 - 800 x 600; 60/75/85Hz Non-Interlaced @16M
 - 1024 x 768; 60/75/85Hz Non-Interlaced @16M
 - 1280 x 1024; 60/75/85Hz Non-Interlaced @16M
 - 1400 x 1050; 60/75/85Hz Non-interlaced @16M
 - 1600 x 1200; 60/75/85Hz Non-Interlaced @16M

Input Devices

- **Keyboard:** Full sized 85 keys, 2.7mm key stroke, 6mm height; Dedicated Windows® keys support; Application Key Function; HotKey function; Integrated AccuPoint II pointing device with Scroll function

Expandability

- 2 Memory slots – *Both slots may be occupied*
- 2 PC Card slots support 2 Type II or 1 Type III PC Cards

Communications

- Integrated V.92/56K modem; Data and fax support
- Integrated 10/100 Ethernet LAN
- Integrated Wireless (802.11b) LAN (**Intel® PRO/Wireless**)
Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during Download. Actual data transmission speeds will vary depending on line conditions.

Ports

- ECP Parallel port
- Serial Port
- PS/2 Mouse/Keyboard port
- RGB (monitor) port
- FIR (Infrared) port
- 2 Universal Serial Bus ports (2.0)
- TV-Out – (NTSC/PAL output; RCA jack)
- RJ-45 LAN Port
- RJ-11 modem port

Physical Description

- Dimensions (LxWxH): 12.4" x 10.8" x 1.5"
- Weight: 6.0lbs
- LED Indicators: Power, Power Save Mode, HDD, 2nd HDD (SelectBay), CD/DVD-ROM (SelectBay), DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, 2nd Battery Charging Status, System Sleep / Suspend status, Wireless Communication switch

Sound

- Software sound; Windows Sound System v2.0, SoundBlaster Pro compatibility; 16bit stereo; Full duplex support
- Built-in stereo speakers; Built-in Microphone (monaural); Direct 3D Sound (supported by driver), DirectSound (supported by hardware acceleration) and DirectMusic (supported by hardware acceleration); MIDI Support; Sound Volume (by Dial);
- **Ports:** External Microphone port, headphone port

Power Supply

- **AC Adapter:** 75W external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 15V x 5A Output.
Dimensions (LxWxH): 5.5" x 2.2" x 1.1"
- **Weight:** 0.88lbs
- **Battery Pack:** 6-cell, rechargeable, removable Lithium Ion (Li-Ion) battery, 10.8V x 4300mAh
(2nd battery: 6 cell; 10.8V x 3600mAh)
- Battery Saver (in Windows XP): Stand by, HDD Auto Off, Display Auto Off, Throttling, Hibernation
- Battery life (main batt/main + 2nd batt): 03:42 (Hrs:Min) / 06:48 (Hrs:Min) (Measured by MobileMark™) ***
- Recharge time (main off/on; main + 2nd batt off/on): 3.0H/3.0H+; 6.0H/6.0H+
Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack or to see the information on accessories shipping with your computer, visit the Toshiba website at www.accessories.toshiba.com

Security

- Slot for computer lock, PC Card (sliding lock), Main Battery Pack

(sliding lock), HDD and memory (by screw only), Selectable Bay Device (by screw), Built-in Modem/LAN (screw only), User Power-on password, Setup Security (by help of SVPW utility), CPU serial No. security (By help of SVPW utility), HDD Password (for Primary HDD; By help of HDD password setup utility), Keyboard Lock (by HotKey), Screen Blank (by Hotkey), Screen Saver (by software)

Bios

- ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PC BIOS support

Operating System

- **Microsoft® Windows XP Pro** pre-installed
(See Product/Part Numbers below)
- **Microsoft® Windows XP Home** pre-installed
(See Product/Part Numbers below)
- Windows 2000 component drivers on the web

Additional Software

- Microsoft® Office XP SB (Small Business)
(on some models – See Product/Part Numbers below)
- Microsoft® Office XP Pro (Professional)
(on some models – See Product/Part Numbers below)
- Intuit® Quicken® Basic 2001
- Norton® AntiVirus™ 2002
- AOL® (3 –Month offer)
- Adobe® Acrobat Reader
- AT&T® Worldnet® Service – 1 Month FREE
Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only. Offer expires 4/30/04.
- Microsoft Internet Explorer
- Toshiba Custom Utilities
- **Toshiba Great Software Offer:** Receive your choice of two software titles. The software selection includes titles from the follow categories; productivity, education/reference, creativity and entertainment

Limited Warranty

- 1 year parts, labor and battery

SelectServ® Limited Warranty Programs

SWP-PEQQ3V	Warranty Extension to 3 Years
SWP-PEGQ3V	3 Year SystemGuard
SWP-PEQX3V	3 Year Depot Express
SWP-PEGX3V	3 Year SystemGuard + Depot Express
SWP-PEQN3V	3 Year Business On-Site Repair; Next Day Business Day Response
SWP-PEGN3V	3 Year SystemGuard + Business On Site Repair, Next Business Day Response

Environmental Specifications

- **Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- **Thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- **Relative Humidity:** Operating: 20% to 80%; Non-operating: 10% to 95%
- **Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating: -60 to 10,000 meters
- **Shock:** Operating: 10G; Non-operating: 60G
- **Vibration:** Operating: 0.5G; Non-operating: 1.0G

Selected Accessories**Toshiba Accessories**

PA3283U-1ACA	Global AC Adapter (75W)
PA3286U-1BRS	Primary Battery Pack (6 cell)
PA3249U-1BRS	Slim Select Bay 2 nd Battery Pack
PA3109U-1FDD	USB Floppy Disk Drive
PA3133U-1H40	40GB HDD
PA3204U-1H60	60GB HDD
PA3230U-1H80	80GB HDD
PA3134U-1ETC	Slim Select Bay HDD Adapter
PA3138U-2CD1	Slim Select Bay CD-R/RW
PA3137U-3CD2	Slim Select Bay DVD/CD-RW (Combo)
PA3231U-1DV1	Slim Select Bay DVD Multi

Kingston Memory

KTT3614/256	256MB PC2100 DDR SDRAM Memory
KTT3614/512	512MB 256MB PC2100 DDR SDRAM Memory
KTT3614/1G	1GB 256MB PC2100 DDR SDRAM Memory

Targus Cases, Security, Input Devices

NWCGV1	Targus Amassador Classic
NWCC52	Targus Global Traveler
NWCEC2	Targus Executive Classic
PA400U	Targus DEFCON1 Security System
PA450U	Targus DEFCON KL Key Lock
PA360U	Targus Universal Auto/Air
NW05WM	Targus Wireless Optical Mini Mouse w/Charger
NWKBMO	Targus MultiMedia Keyboard
NWUK01	USB Combo 17-Key Keypad/Calculator Combo

CMS Storage

TNFWABS-60.0 CMS Firewire Automatic Backup System 60GB

* Go to www.accessories.toshiba.com for additional, available accessories

Product/Part Numbers

PSM20U-00F9Y7	Satellite	M20-S257 (Win XP Pro)
PSM20U-00F9Y3	Satellite	M20-S258 (Win XP Home)
PSM20U-00F9Y7W	Satellite	M20 Office SB (Small Business)
PSM20U-00F9Y7X	Satellite	M20 Office Pro (Professional)

*GB = 1 Billion Bytes

**** Central Processing Unit (“CPU”) Performance Disclaimer:**

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 35°C (41°F to 95° F) or >25°C (77°F) at high altitude (all temperature references are approximate).

CPU performance may also vary from specifications due to design configuration

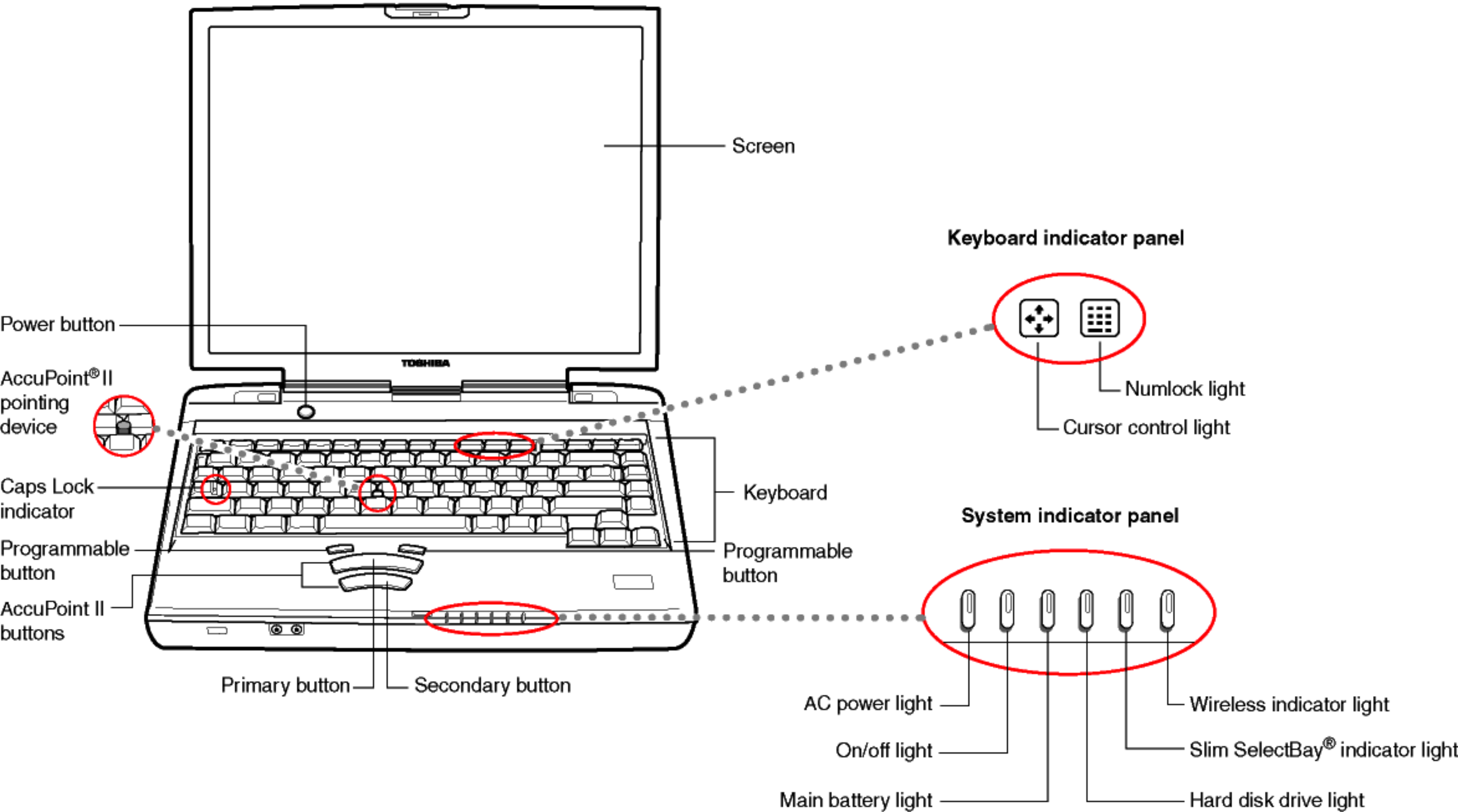
Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under “Environmental Conditions” in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

Return Policy

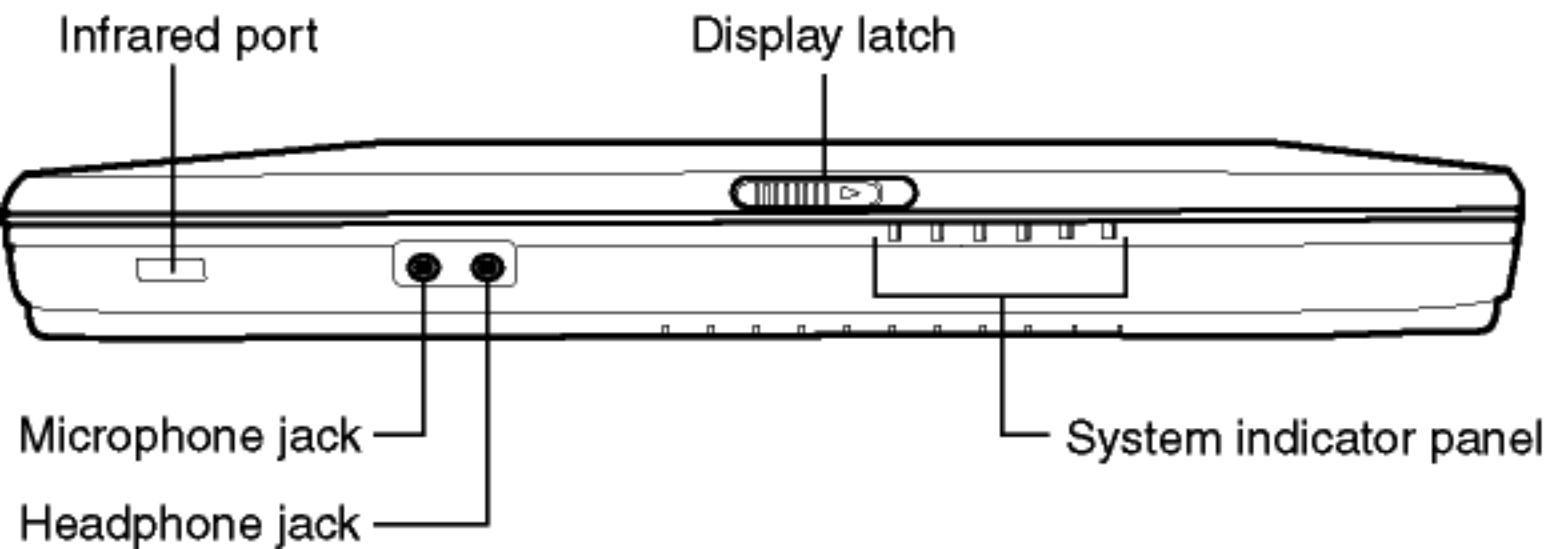
TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer’s standard return policies and procedures.

***MobileMark™ is a trademark of the Business Applications Performance Corporation

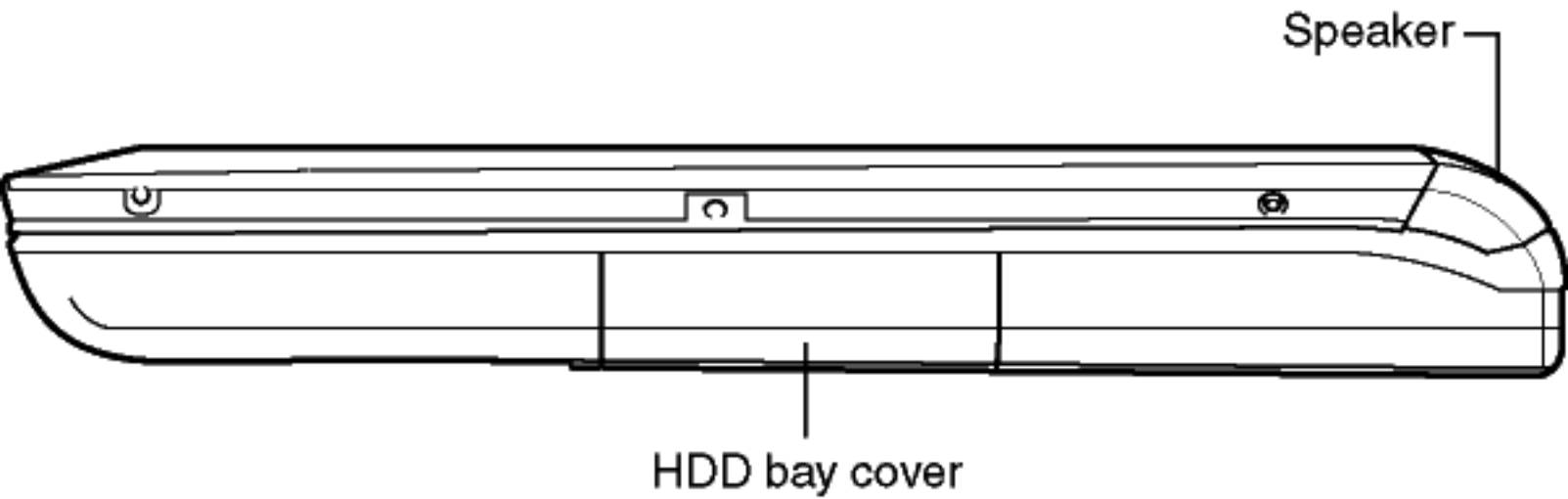
Front with display open



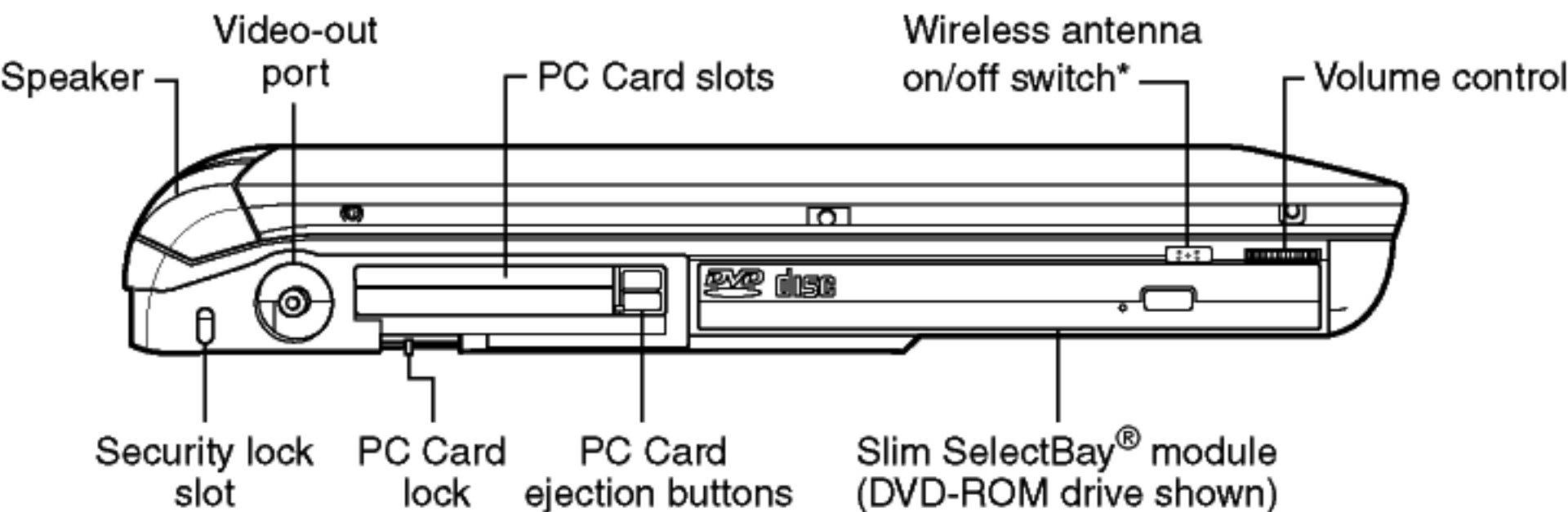
Front with display closed



Right side

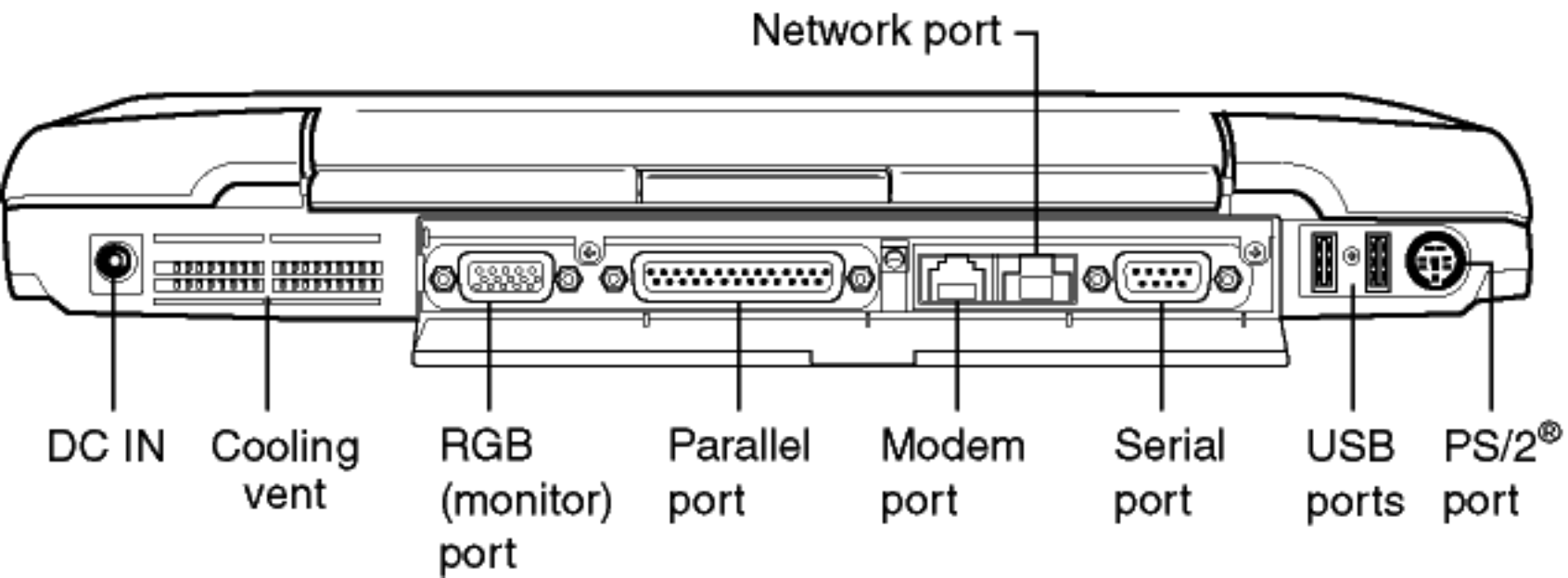


Left side



*Functional only on systems with wireless module installed.

Back



Underside

